



10/061,837

PATENT

COFC

Practitioner's Docket No. 062004-1910

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Number: 6,771,856 B2

Certificate

Issued: August 3, 2004

SEP 01 2004

of Correction

Name of Patentee: Stephen E. Ralph et al.

Title of Invention: Compensation of Modal Dispersion in Optical Waveguides

Commissioner for Patents

P.O. Box 1450

Alexandria, Virginia 22313-1450

Attention: Decision and Certificate of Correction
Branch of the Patent Issue Division

REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT
FOR APPLICANT'S MISTAKE (37 C.F.R. § 1.323)

1. It is noted that an error appears in this patent of a

☐ clerical

☐ typographical

☒ minor

nature or character, as more fully described below. It occurred in good faith. Correction thereof does not involve such changes in the patent as would constitute new matter or would require re-examination. A certificate of correction is requested.

2. Attached, in duplicate, is Form PTO-1050, with at least one copy being suitable for printing.

NOTE: Form PTO-1050, using the column and line number in the printed patent, should be used exclusively regardless of the length or complexity of the subject matter. M.P.E.P. § 1485.

NOTE: The patent grant should be retained by the patentee. The PTO does not attach the certificate of correction to the patentee's copy of the patent. The patent grant will be returned to the patentee if submitted. M.P.E.P. § 1485.

3. The exact page and line number where the error occurs in the application file are:

Page 15, lines 7 and 8.

NOTE: This information should be identified in this request, however, on Form PTO-1050, only the column and line number in the printed patent should be used. MPEP §1485.

4. Please send the Certificate to:

Name: **Scott A. Horstemeyer**

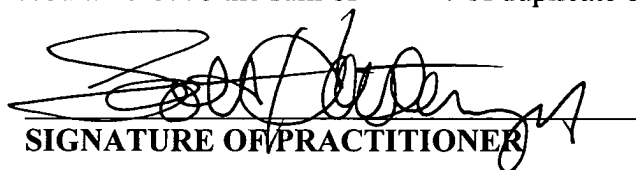
Address: **Thomas, Kayden, Horstemeyer & Risley, LLP**

100 Galleria Parkway, N.W., Suite 1500, Atlanta, GA 30339

5. Please pay the fee of **\$100.00**, as required by 37 CFR 1.20(a), as follows:

☒ Enclosed is a Credit Card Payment Form for **\$100.00**.

☐ Charge the Deposit Account 20-0778 the sum of . A duplicate of this request is attached.


SIGNATURE OF PRACTITIONER

Scott A. Horstemeyer, Reg. No. 34,183

(type or print name of practitioner)

Tel. No.: (770) 933-9500

Thomas, Kayden, Horstemeyer & Risley, LLP
100 Galleria Parkway, N.W., Suite 1750
Atlanta, GA 30339-5948

Customer No.: 24504

NOTE: The certificate of correction for applicant's mistake may be signed by the attorney of record, unlike that for PTO mistake where the patentee or an owner of an interest in the invention must make the request.

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

Patent No.: 6,771,856 *B2*
Dated: August 3, 2004
Inventor(s): Ralph et al.

It is certified that error appears in the above-identified patent and that said
Letters Patent is hereby corrected as shown below

Page 1, in the Abstract (57) please replace the Abstract with the following corrected
Abstract:

--Methods for detecting and compensating for multiple optical signals produced in a
multi-mode fiber system are provided. A representative method includes detecting a
plurality of optical signals radiating from an end of the multi-mode fiber by a
multisegment photodetector having different detector regions that detect different
portions of the plurality of optical signals, and modifying detected signal in the
multisegment photodetector to reduce effects of modal dispersion among the plurality
of optical signals. Other methods also are provided.--

MAILING ADDRESS OF SENDER:

Patent No.: 6,771,856 *B2*

THOMAS, KAYDEN, HORSTEMEYER & RISLEY, L.L.P.
100 Galleria Parkway, Suite 1750
Atlanta, Georgia 30339

No. of additional copies



This collection of information is required by 37 CFR 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.13. The collection is estimated to take 1 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Office, U.S. Patent and Trademark Office, P.O. Box 1450, Arlington, Virginia 22313-1450 DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and selection option 2.

SEP 02 2004

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

Patent No.: 6,771,856 *B2*
Dated: August 3, 2004
Inventor(s): Ralph et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below

Page 1, in the Abstract (57) please replace the Abstract with the following corrected Abstract:

--Methods for detecting and compensating for multiple optical signals produced in a multi-mode fiber system are provided. A representative method includes detecting a plurality of optical signals radiating from an end of the multi-mode fiber by a multisegment photodetector having different detector regions that detect different portions of the plurality of optical signals, and modifying detected signal in the multisegment photodetector to reduce effects of modal dispersion among the plurality of optical signals. Other methods also are provided.--

MAILING ADDRESS OF SENDER:

Patent No.: 6,771,856 *B2*

THOMAS, KAYDEN, HORSTEMEYER & RISLEY, L.L.P.
100 Galleria Parkway, Suite 1750
Atlanta, Georgia 30339

No. of additional copies



This collection of information is required by 37 CFR 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.13. The collection is estimated to take 1 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Office, U.S. Patent and Trademark Office, P.O. Box 1450, Arlington, Virginia 22313-1450 DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and selection option 2.

SEP 02 2004



CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to:

**ATTN: Certificate of Corrections Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450**

on August 25, 2004.

Evelyn Sanders
Evelyn Sanders

In re Patent of: **Ralph et al.**

Our Reference Number: 062004-1910

U.S. Patent No: 6,771,856 *B2*

Issue Date: August 3, 2004

Title: COMPENSATION OF MODAL DISPERSION IN OPTICAL WAVEGUIDES

The following is a list of documents enclosed:

Return Postcard
Fee Transmittal
Credit Card Payment Form
Request for Certificate of Correction
Certificate of Correction (& Original Duplicate)



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/SB/17 (10-03)
Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revisions.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)**100.00**

Complete If Known

Application Number	10/061,837
Filing Date	02/01/2002
First Named Inventor	Stephen E. Ralph et al.
Examiner Name	Pak, Sung H
Group / Art Unit	2874
Attorney Docket No.	062004-1910

METHOD OF PAYMENT (check all that apply)

☐ Check ☒ Credit Card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account

Deposit Account Number

20-0778

Deposit Account Name

Thomas, Kayden, Horstemeyer Risley, L.L.P.

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments
☒ Charge any additional fee(s) during the pendency of this application
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility Filing Fee	
1002	340	2002	170	Design Filing Fee	
1003	530	2003	265	Plant Filing Fee	
1004	770	2004	385	Reissue Filing Fee	
1005	160	2005	80	Provisional Filing Fee	

SUBTOTAL (1) (\$)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

	Extra Claims	Fee From Below	Fee Paid
Total Claims	- 20**=	X 9.00	=
Independent Claims	- 3**=	X 43.00	=
Multiple Dependent		145.00	=

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	**Reissue independent claims over original patent
1205	18	2205	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)

**or number previously paid, if greater; For Reissues, see above

FEES CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge-late filing fee or oath	
1052	50	2052	25	Surcharge-late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive-unavoidable	
1453	1,330	2453	655	Petition to revive-unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee for provisional application	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	770	2810	385	For each add. invention to be examined (37 CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited exam. of a design application	

Other fee (specify) Request for Certificate of Correction

SUBTOTAL (3) (\$)**100.00**

*Reduced by Basic Filing Fee Paid

SUBMITTED BY

Typed or Printed Name
Signature

Scott A. Horstemeyer

Registration No. 34,183

Telephone Number

770-933-9500

Date

08/25/2004

WARNING: Information on this form may become public. Credit Card information should not

Be included on this form. Provide credit card information and authorization on PTO-2038

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 37 USC 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450 DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

SEP 02 2004